

The Commonwealth of Massachusetts  
Executive Office of Health and Human Services  
Department of Public Health  
William A. Hinton State Laboratory Institute  
305 South Street, Jamaica Plain, MA 02130

DEVAL L. PATRICK  
GOVERNOR

TIMOTHY P. MURRAY  
LIEUTENANT GOVERNOR

JUDYANN BIGBY, MD  
SECRETARY

JOHN AUERBACH  
COMMISSIONER

01/13/2012

Laura Martin  
Assistant District Attorney, Norfolk County

Dear ADA Martin,

Enclosed is the information you requested in regards to Commonwealth vs. [REDACTED]  
Included are copies of the following:

1. Curriculum Vitae for Annie Dookhan and Stacey Desjardins
2. Drug Analysis Laboratory Receipt.
3. Control Cards with analytical results for samples # [REDACTED]
4. Analysis sheets with custodial chemist's hand notations and test results.
5. GC/Mass Spectral analytical data for samples # [REDACTED]

Stacey Desjardins was the custodial chemist and performed the preliminary testing and net weight for this sample. Annie Dookhan was the confirmatory chemist and analyzed the GC/MS data for this sample.

If you have any questions about these materials, please call me at the number below.

Sincerely,

A handwritten signature in black ink, appearing to read "Annie Dookhan".

Annie Dookhan  
Chemist  
Drug Analysis Lab  
Jamaica Plain, MA. 02130  
(617) 983-6622

## Curriculum Vitae

**Annie Khan (Dookhan)**

### Education:

University of Massachusetts, Boston, Ma, Master of Science in Chemistry.

University of Massachusetts, Boston, Ma, Bachelor of Science in Biochemistry.

### Experience:

2003 – present

Chemist I, II, Massachusetts Department of Public Health, Drug Analysis Laboratory

\*Responsible for the identification of illicit drugs to determine violations of harmful and narcotic drug laws.

\*Writing, revising and reviewing Standard Operating Procedures (SOPs) and Protocols.

\*Responsible for the Quality Control of all analytical instruments, reagents and controls/standards.

\*Oversee the Quality Control/Quality Assurance program for the Drug Lab.

\*Maintenance and repairs of all analytical instruments.

\*Trained in the use of complex analytical instrumentation, microscopes and balances for the purpose of drug analysis.

\*Qualified as an expert witness in Massachusetts Courts and U.S. District Court.

\*Completed six-week training course conducted by senior staff within the Department of Public Health, Drug Analysis Laboratory.

\*Appointed Assistant Analyst by Assistant Commissioner of Public Health, 2004.

\*Notary Public.

2001 – 2003

QC Analyst I, II, UMMS-Massachusetts Biologic Laboratory, QC Material Control

\*Completed proficiency training conducted by a member of the staff within the MLB Quality Control and Quality Assurance Department for the Food and Drug Administration.

\*Method Development for creating new techniques and enhancing vaccines for the QC Dept. and FDA.

\*Writing, revising and reviewing Standard Operating Procedures (SOPs).

\*Trained and supervised new chemists and interns for the department.

\*Routine QC testing of products for the FDA.

\*Trained in the use of complex analytical instrumentation, and balances for the purpose of QC analysis for product and validation projects.

\*Calibration, preventive maintenance, QC and QA of analytical instrumentation.

\*Complete testing of chemicals for Vendor Validation Project for the FDA.

\*Compendial testing and interpretation of the USP, ACS, FCC, AOAC, Merck Index, PDR, etc.

### Additional Training:

Dept. of Justice – Forensics Professionals. (numerous trainings)

GLP/GMP training with Massachusetts Biologic Laboratory.

QC/QA training according to FDA Codes and Regulations.

GC and GC/MS trainings with Agilent Technologies and Restek.

HPLC and LC/MS/MS trainings with Waters Cooperation.

FTIR training with Spectros.

TOC training with MBL and Sievers.

### Association:

American Chemical Society (ACS)

Northeastern Association of Forensics Science (NEAFS)

# Stacey Lyn Desjardins

stacey.feiden@state.ma.us

## EDUCATION

### Master of Science—Forensic Science

University of New Haven; West Haven, Connecticut  
May 2006

- Concentration: Criminalistics
- Certificate: Advanced Investigation

### Bachelor of Arts—Chemistry

Monmouth College; Monmouth, Illinois  
May 2004

- Graduated Cum Laude

## EXPERIENCE

### Chemist I

Massachusetts Department of Public Health; Jamaica Plain, Massachusetts  
March 2009-present

- Analyze unknown substances submitted by Massachusetts Law Enforcement Agencies
- Operate, maintain, and interpret data from analytical equipment (Gas Chromatograph, analytical balance, microscope, Ultraviolet Spectrometer, Infrared Spectrometer)
- Provide expert testimony to local, state, and federal courts in Massachusetts

### Teaching/Graduate Assistant

Monmouth College Chemistry Department  
University of New Haven Forensic Science Department  
January 2001-May 2006

- Supervised labs and answered student questions
- Performed demonstrations using forensic techniques and chemicals

**Additional work experience and references available upon request**

## TRAINING

2010: DEA Forensic Chemist Seminar—Washington DC

2009: Multijurisdictional Counterdrug Task Force Training on Current Drug Trends

2009: Six week training with Senior Staff at the Massachusetts Department of Public Health Drug Analysis Laboratory—appointed Assistant Analyst

2005: Internship with the New Hampshire State Crime Lab

## COURSEWORK

Biomedical Methods of Forensic Science, Criminal Procedure, Forensic Microscopy, Advanced Criminalistics I and II, Forensic Toxicology, Advanced Investigation I and II, Physical Analysis in Forensic Science, Organic Chemistry I and II, General Chemistry, Analytical Chemistry I and II, Physical Chemistry I, II, and III, Biochemistry, Advanced Inorganic Chemistry

PLEASE PRINT CLEARLY OR TYPE ALL INFORMATION

*The Commonwealth of Massachusetts*

*Executive Office of Health and Human Services*

*Department of Public Health*

*State Laboratory Institute*

Boston Drug Laboratory

Tel (617) 983-6622

Fax (617) 983-6625

Amherst Drug Laboratory

Tel (413) 545-2601

Fax (413) 545-2608

Boston Hours

8:00 – 11:00

2:00 – 4:00

Amherst Hours

9:00 – 12:00

1:00 – 3:00

**DRUG RECEIPT**

City or Department: Weymouth Police Reference No.: [REDACTED]

Name and Rank of Submitting Officer: Det Thomas Anderson

Defendant(s) Name (last, first, initial):

[REDACTED]

To be completed by Submitter  
Description of Items Submitted

To be completed by Lab Personnel  
Gross Weight      Lab Number

6 white pills marked M357

10-1069-PR

7.9g

[REDACTED]

Received by: [Signature]

Date: 6-23-10

No. [REDACTED]

Date Analyzed: 080310

City: Weymouth Police Dept.

Officer: Detective THOMAS ANDERSON

Def: [REDACTED]

Amount: 6.0

Subst: TAB

No. Cont: 1 Cont: pb

Date Rec'd: 06/23/2010

No. Analyzed:

Gross Wt.: 7.90✓

Net Weight:

# Tests: 1 SLO

Prelim:

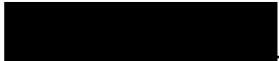
hydrocodone  
C

Findings:

2 ASD  
Hydrocodone

DRUG POWDER ANALYSIS FORM

SAMPLE #



AGENCY

Weymouth

ANALYST

SLD

No. of samples tested: \_\_\_\_\_

Evidence Wt.

✓

PHYSICAL DESCRIPTION:

- signed & sealed  
- 6 white, oval tabs

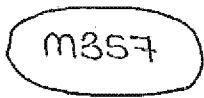
Gross Wt ( ): \_\_\_\_\_

Gross Wt ( ): \_\_\_\_\_

Pkg. Wt: \_\_\_\_\_

Net Wt:

3.89g



- Class C

PRELIMINARY TESTS

Spot Tests

Cobalt  
Thiocyanate ( ) \_\_\_\_\_

Marquis \_\_\_\_\_

Froehde's \_\_\_\_\_

Mecke's \_\_\_\_\_

Microcrystalline Tests

Gold  
Chloride \_\_\_\_\_

TLTA ( ) \_\_\_\_\_

OTHER TESTS

Micromedex

PRELIMINARY TEST RESULTS

RESULTS hydrocodone

DATE 7-28-10

GC/MS CONFIRMATORY TEST

RESULTS hydrocodone

MS  
OPERATOR ASD

DATE 8-3-10

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POISINDEX® Product List

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## Hydrocodone Bitartrate And Acetaminophen

Regulatory-Status: Schedule III

## Ingredients

Active-Ingredients: Hydrocodone Bitartrate - 5 MG  
Acetaminophen - 500 MGExcipients: Crospovidone  
Magnesium Stearate  
Cellulose, Microcrystalline  
Povidone  
Starch, Pregelatinized  
Silicon Dioxide  
Stearic Acid

## Availability &amp; Manufacturing

Availability: United States

Available-Container-Sizes: Bottle of 60; Strip of 100; Bottle of 30; Bottle of 90; Bottle of 500; Strip of 450; Bottle of 100

Contact: Covidien Mallinckrodt

Product ID: 6685436

AAPCC Code: 201063 - Acetaminophen with Hydrocodone

Registry Numbers: NDC 00406-0357-06  
NDC 00406-0357-62  
NDC 00406-0357-03  
NDC 00406-0357-09  
NDC 00406-0357-05  
NDC 00406-0357-33  
NDC 00406-0357-01

## Physical Description

Imprint: M357

Alt Imprint: M 357

Form: Oral Tablet

Color: White

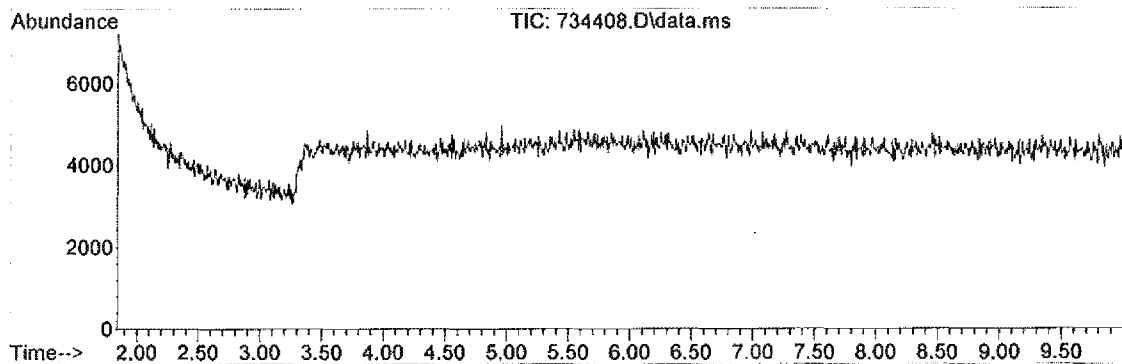
Shape: Capsule-shape

Images for NDC 00406-0357-62

## Information from Data File:

File Name : D:\System8\2010\08\_02\_10\734408.D  
Operator : ASD  
Date Acquired : 2 Aug 2010 9:12  
Sample Name : BLANK  
Submitted by :  
Vial Number : 1  
AcquisitionMeth: DRUGS.M  
Integrator : RTE

✓ ASD  
1-13-12



Ret. Time	Area	Area %	Ratio %
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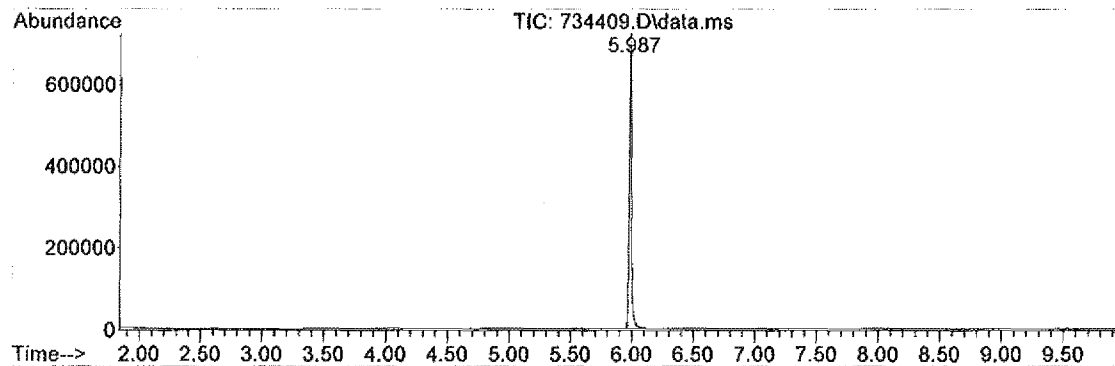
\*\*\*NO INTEGRATED PEAKS\*\*\*



# Area Percent / Library Search Report

**Information from Data File:**

File Name : D:\System8\2010\08\_02\_10\734409.D  
 Operator : ASD  
 Date Acquired : 2 Aug 2010 9:25  
 Sample Name : HYDROCODONE STD  
 Submitted by :  
 Vial Number : 9  
 AcquisitionMeth: DRUGS.M  
 Integrator : RTE



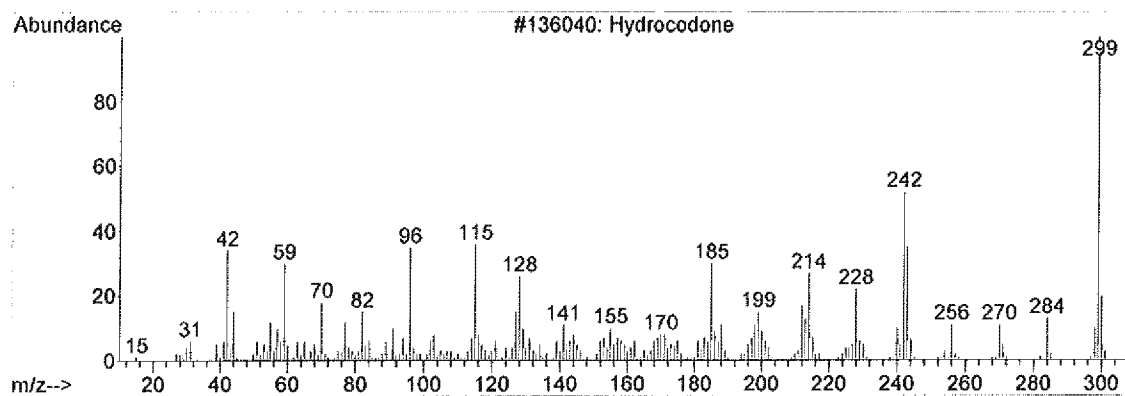
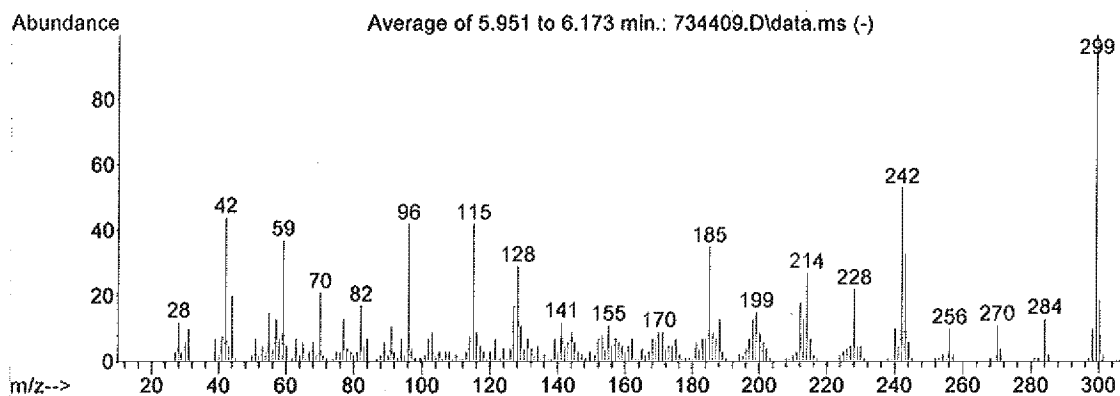
Ret. Time	Area	Area %	Ratio %
5.987	979412	100.00	100.00

## Information from Data File:

File Name : D:\System8\2010\08\_02\_10\734409.D  
Operator : ASD  
Date Acquired : 2 Aug 2010 9:25  
Sample Name : HYDROCODONE STD  
Submitted by :  
Vial Number : 9  
AcquisitionMeth: DRUGS.M  
Integrator : RTE

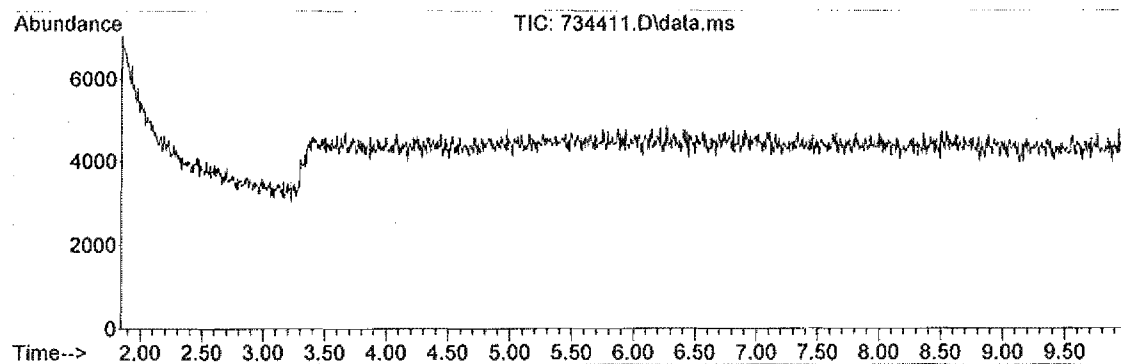
Search Libraries: C:\Database\SLI.L Minimum Quality: 80  
C:\Database\NIST08.L Minimum Quality: 80  
C:\Database\PMW\_TOX2.L

PK#	RT	Library/ID	CAS#	Qual
1	5.99	C:\Database\NIST08.L		
		Hydrocodone	000125-29-1	99
		Hydrocodone	000125-29-1	99
		Hydrocodone	000125-29-1	99



## Information from Data File:

File Name : D:\System8\2010\08\_02\_10\734411.D  
Operator : ASD  
Date Acquired : 2 Aug 2010 9:51  
Sample Name : BLANK  
Submitted by : SLD  
Vial Number : 1  
AcquisitionMeth: DRUGS.M  
Integrator : RTE

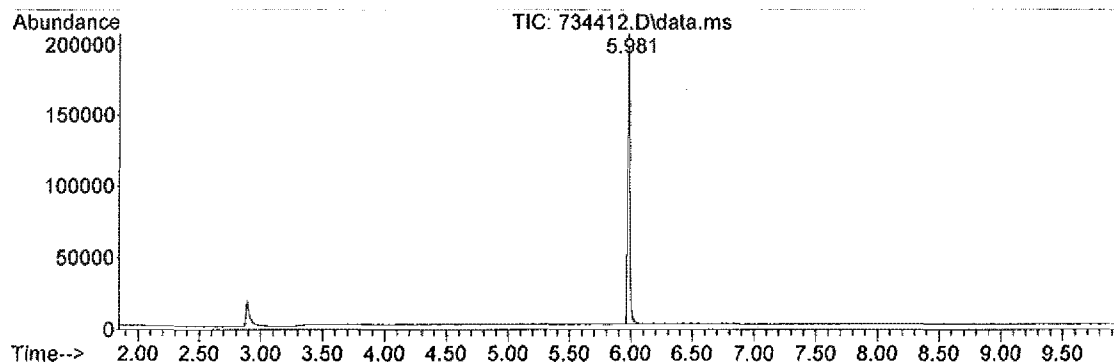


Ret. Time	Area	Area %	Ratio %
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\*\*\*NO INTEGRATED PEAKS\*\*\*

## Information from Data File:

File Name : D:\System8\2010\08\_02\_10\734412.D  
Operator : ASD  
Date Acquired : 2 Aug 2010 10:03  
Sample Name : XXXXXXXXXX  
Submitted by : SLD  
Vial Number : 12  
AcquisitionMeth: DRUGS.M  
Integrator : RTE



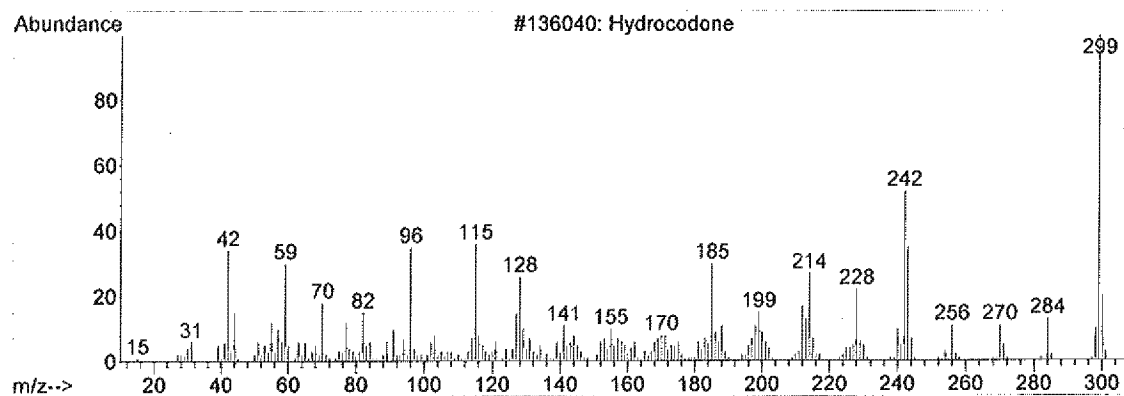
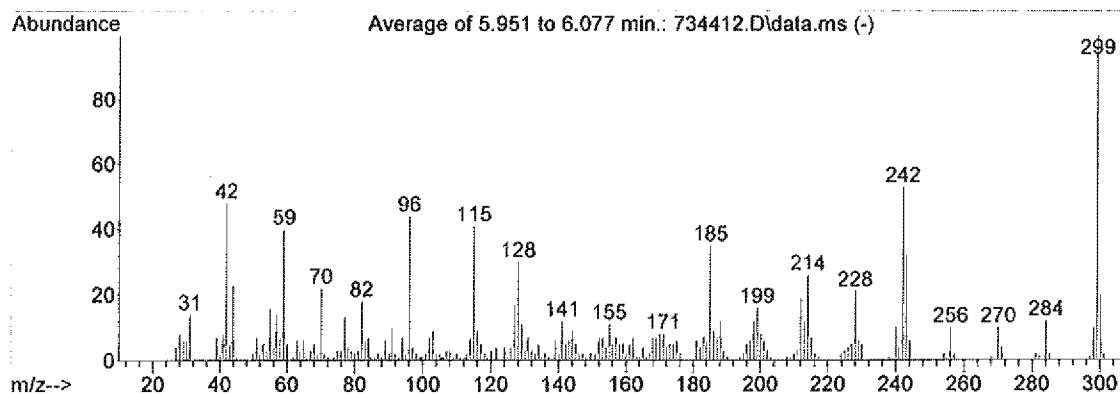
Ret. Time	Area	Area %	Ratio %
5.981	252889	100.00	100.00

## Information from Data File:

File Name : D:\System8\2010\08\_02\_10\734412.D  
Operator : ASD  
Date Acquired : 2 Aug 2010 10:03  
Sample Name : XXXXXXXXXX  
Submitted by : SLD  
Vial Number : 12  
AcquisitionMeth: DRUGS.M  
Integrator : RTE

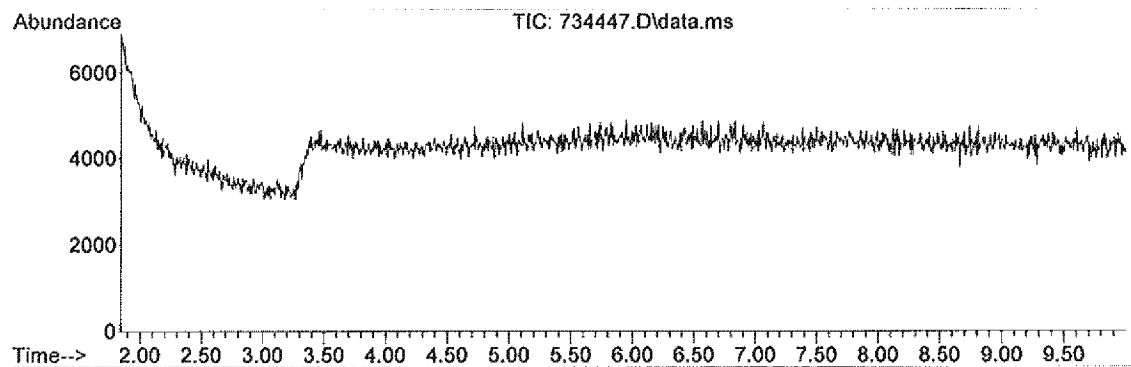
Search Libraries: C:\Database\SLI.L Minimum Quality: 80  
C:\Database\NIST08.L Minimum Quality: 80  
C:\Database\PMW\_TOX2.L

PK#	RT	Library/ID	CAS#	Qual
1	5.98	C:\Database\NIST08.L		
		Hydrocodone	000125-29-1	99
		Hydrocodone	000125-29-1	99
		Hydrocodone	000125-29-1	99



## Information from Data File:

File Name : D:\System8\2010\08\_02\_10\734447.D  
Operator : ASD  
Date Acquired : 2 Aug 2010 17:30  
Sample Name : BLANK  
Submitted by : SLD  
Vial Number : 1  
AcquisitionMeth: DRUGS.M  
Integrator : RTE

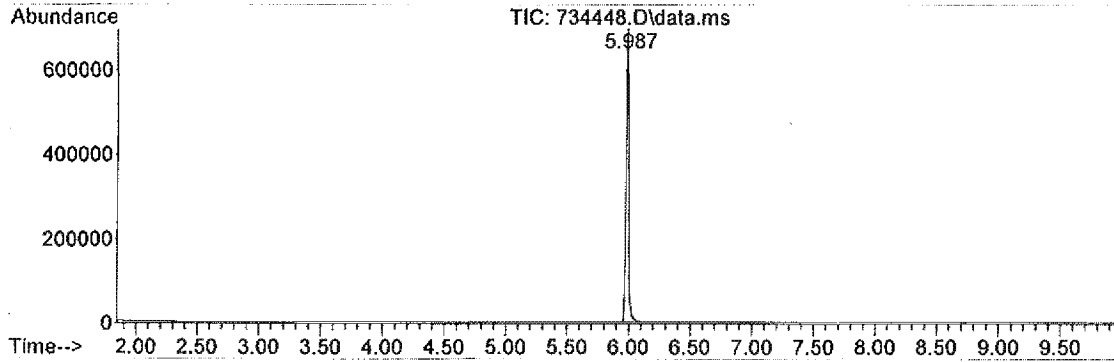


Ret. Time	Area	Area %	Ratio %
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\*\*\*NO INTEGRATED PEAKS\*\*\*

Information from Data File:

File Name : D:\System8\2010\08\_02\_10\734448.D  
 Operator : ASD  
 Date Acquired : 2 Aug 2010 17:42  
 Sample Name : HYDROCODONE STD  
 Submitted by : SLD  
 Vial Number : 9  
 AcquisitionMeth: DRUGS.M  
 Integrator : RTE



Ret. Time	Area	Area %	Ratio %
5.987	1002082	100.00	100.00

## Information from Data File:

File Name : D:\System8\2010\08\_02\_10\734448.D  
Operator : ASD  
Date Acquired : 2 Aug 2010 17:42  
Sample Name : HYDROCODONE STD  
Submitted by : SLD  
Vial Number : 9  
AcquisitionMeth: DRUGS.M  
Integrator : RTE

Search Libraries: C:\Database\SLI.L Minimum Quality: 80  
C:\Database\NIST08.L Minimum Quality: 80  
C:\Database\PMW\_TOX2.L

PK#	RT	Library/ID	CAS#	Qual
1	5.99	C:\Database\NIST08.L		
		Hydrocodone	000125-29-1	99
		Hydrocodone	000125-29-1	99
		Hydrocodone	000125-29-1	99

